IN THE SPECIFICATION

Please replace the paragraph beginning with line 15 on page 11 of the specification with the following:

The boundaries of the frequency ranges in TABLE 1 have been defined to overlap ~~by about 5%~~ so that frequency range hysteresis may be implemented. In general, the term "hysteresis" means the delaying of slowing down of an event such as the switching between the different frequency ranges. With frequency range hysteresis, a count falling within a boundary overlap will not cause a change of frequency range. Only a count falling squarely within a different frequency range outside any boundary overlaps will result in a change of frequency range. Further explanation of frequency range hysteresis is provided by the following description of the range detector 24a function.